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NEW SOUTH WALES

STATISTICAL REGISTER

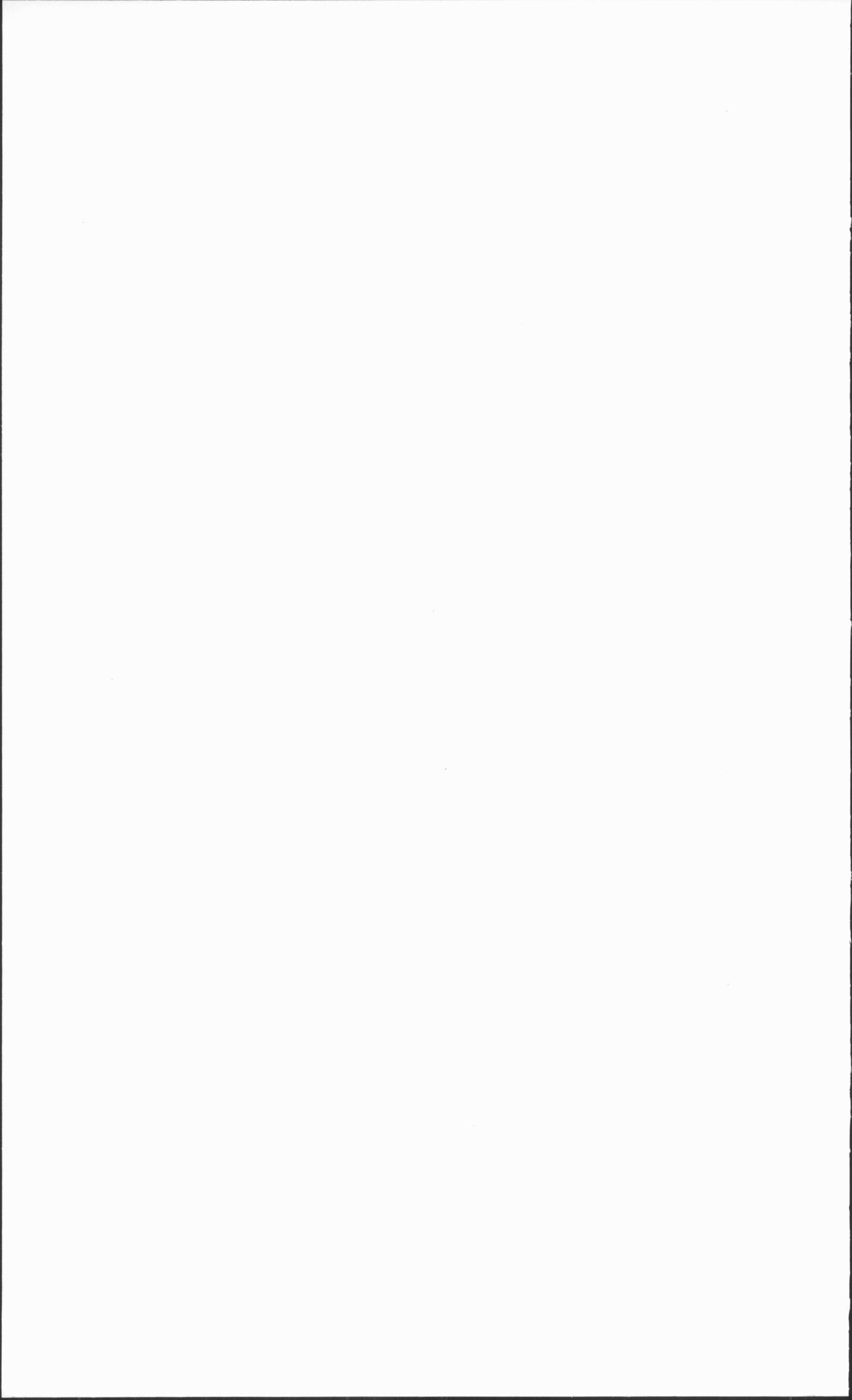
MINING



1963

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AND  
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# MINING

## 1963



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## PREFACE

This issue of the *Mining Part of the Statistical Register of New South Wales* contains statistics for 1963 and earlier years.

The statistics given in this publication should be read in conjunction with the *Official Year Book of New South Wales*. For the most recent statistics, the reader should refer to other publications of the Bureau, particularly the *Statistical Bulletin* and the *Monthly Summary of Business Statistics*.

My thanks are tendered to the responsible officers of the various State and Commonwealth authorities and to others who have supplied information, often at considerable trouble.

K. Davison  
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and  
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Bureau of Census and Statistics,  
Sydney.

18th December, 1964.

## MINING

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## MINING STATISTICS

### EXPLANATORY NOTES

1. For statistical purposes, the mining industries are defined to cover not only the actual mining or quarrying operations, but also crushing and ore dressing operations carried out in treatment works situated at or near a mine or quarry. The screening and washing of coal are included in mining activity when undertaken at a mine or at plants centrally situated to serve a number of mines in the locality. However, the refining of metals and the processing of raw materials (in the manufacture of such products as coke, bricks, and portland cement) are classified as factory activity, whether or not the works are situated in the locality of the mine or quarry.
2. In accordance with this definition, the minerals produced are recorded in the form in which they are despatched from the working. For example, a metallic mineral is recorded as an ore if untreated before despatch, and as a concentrate if ore dressing operations are undertaken at or about the mine.
3. The minerals are classified into four major groups:—
  - metallic minerals;
  - fuel minerals;
  - non-metallic minerals; and
  - construction materials.
4. In Tables 1 to 6, each mine or quarry has been classified to an industry in accordance with its principal product, and all employment, products, and other particulars of the mine or quarry have been attributed to that industry. The value of output shown in these Tables for a particular industry or group of industries is therefore the value of all the products of the mines and quarries classified to that industry or group.
5. Revised methods of preparing statistics were adopted in 1950 for all mining industries except the coal mining industry, in accordance with a plan for the preparation of mining statistics on a uniform basis in all Australian States and Territories. Statistics relating to employment and the quantity and value of mineral products are available on the new basis only from 1950, and those relating to wages, value of plant, materials used, etc., are available only from 1952. These statistics are not comparable with those previously published for earlier years.
6. Oil search operations are not regarded as a mining activity.

## No. 1. Summary of Mining Operations\*, 1957 to 1963

Year	No. of Mines Worked	Average Number of Persons Employed †	Salaries and Wages Paid ‡	Fixed Assets of Mines		Materials and Fuel Used	Explosives Sold to Employees	Value of Output
				Additions and Replacements During Year	Value at End of Year			
<b>Silver-Lead-Zinc Mining</b>								
1957	28	6,717	11,232,129	1,132,007	15,241,306	7,015,557	160,664	26,820,317
1958	13	6,234	8,985,969	977,541	14,893,717	5,666,500	138,779	19,093,042
1959	13	5,607	8,369,054	882,851	14,491,597	5,257,715	124,586	20,946,648
1960	15	5,357	8,609,640	924,730	19,005,472	5,569,296	120,147	21,929,236
1961	14	5,186	8,379,636	1,030,228	19,066,970	5,265,669	104,149	17,706,487
1962	11	4,826	7,405,003	921,177	19,174,355	4,399,344	94,051	17,554,951
1963	9	4,350	7,508,794	560,668	18,832,224	4,513,736	91,792	27,243,388
<b>Other Metallic Mining</b>								
1957	124	1,730	1,526,810	1,325,877	2,928,396	1,392,988	1,660	7,052,960
1958	135	1,158	989,591	300,359	2,419,708	683,296	2,805	3,394,627
1959	153	991	843,195	411,480	1,969,354	694,156	2,664	2,995,855
1960	174	1,040	946,317	369,645	1,960,955	962,262	434	3,088,350
1961	173	1,081	1,030,013	612,923	2,021,297	1,047,115	...	3,413,217
1962	152	1,322	1,308,360	2,673,686	4,657,061	1,041,266	...	3,518,753
1963	131	1,510	1,837,145	3,061,095	6,880,979	1,467,791	...	5,927,567
<b>Total, Metallic Mining</b>								
1957	152	8,447	12,758,939	2,457,884	18,169,702	8,408,545	162,324	33,873,277
1958	148	7,392	9,975,560	1,277,900	17,313,425	6,349,796	141,584	22,487,669
1959	166	6,598	9,212,249	1,294,331	16,460,951	5,951,871	127,250	23,942,503
1960	189	6,397	9,555,957	1,294,375	20,966,427	6,531,558	120,581	25,017,586
1961	187	6,267	9,409,649	1,643,151	21,088,267	6,312,784	104,149	21,119,704
1962	163	6,148	8,713,363	3,594,863	23,831,416	5,440,610	94,051	21,073,704
1963	140	5,860	9,345,939	3,621,763	25,713,203	5,981,527	91,792	33,170,955
<b>Coal Mining</b>								
1957	129	16,622	18,608,261	8,131,909	26,047,474	7,924,912	80,369	40,449,802
1958	117	15,463	18,357,355	7,166,950	27,883,127	8,358,314	62,788	39,979,194
1959	115	13,445	17,251,614	6,609,700	30,464,223	7,959,357	30,412	37,436,654
1960	114	13,279	19,250,314	9,253,509	32,705,755	9,034,201	26,907	42,676,951
1961	107	12,512	19,403,231	8,846,114	41,808,222	10,310,511	18,187	45,112,393
1962	100	11,998	18,805,857	9,210,994	43,381,324	11,044,301	15,021	47,033,829
1963	94	11,534	18,604,399	7,582,456	42,770,820	10,922,512	13,286	45,418,897
<b>Non-metallic Mining (Excluding Clays)</b>								
1957	106	674	640,545	290,026	1,432,451	519,964	...	1,784,706
1958	131	683	618,036	348,961	1,405,377	534,688	...	1,866,759
1959	119	667	587,531	196,519	1,350,175	479,915	466	1,801,465
1960	123	664	634,762	136,008	1,254,705	490,869	...	1,868,006
1961	170	810	758,277	480,267	1,424,439	527,890	...	2,260,162
1962	175	813	705,707	116,717	1,367,237	504,908	...	2,125,287
1963	230	835	717,101	206,728	1,334,034	524,924	...	2,265,002
<b>Total *</b>								
1957	387	25,743	32,007,745	10,879,819	45,649,627	16,853,421	242,693	76,107,785
1958	396	23,538	28,950,951	3,793,811	46,601,929	15,242,798	204,372	64,333,622
1959	400	20,710	27,051,394	8,100,550	48,275,349	14,391,143	158,128	63,180,622
1960	426	20,340	29,441,033	10,683,892	54,926,887	16,056,628	147,488	69,562,543
1961	464	19,589	29,571,157	10,969,532	64,320,928	17,151,185	122,336	68,492,259
1962	438	18,959	28,224,927	12,922,574	68,579,977	16,989,819	109,072	70,232,820
1963	464	18,229	28,667,439	11,410,947	69,818,057	17,428,963	105,078	80,854,854

\* Excludes clay pits and quarries winning construction materials, which, in 1963, had an average employment of 419 and 1,844, respectively, and a value of output of £1,340,121 and £10,480,552, respectively.

† For coal mining, average during whole year; for other mining, average during period of operation. Includes working proprietors, but excludes fossickers.

‡ Before deducting the value of explosives sold to employees; excludes drawings by working proprietors.

§ Depreciated book values. Figures for 1961 were affected by a substantial revaluation of assets at certain coal mines.

§ Not strictly comparable with earlier years because of a revised method of valuation at certain coal mines (which increased values for 1962 by approximately £2,000,000).

## No. 2. Value of Materials and Fuel Used in Mines\*, 1957 to 1963

Year and Class of Mining	Fuel and Power Used					Stores and Materials Used			
	Coal	Oil and Petrol	Electricity	Other	Total Fuel and Power	Mining Timber	Explosives †	Other	Total Stores and Materials
1957 .. .. ..	263,100	356,202	3,256,342	422,786	4,298,430	2,550,494	983,819	9,020,678	12,554,991
1958 .. .. ..	231,113	251,508	3,121,800	340,634	3,945,055	2,350,177	1,073,794	7,873,772	11,297,743
1959 .. .. ..	185,609	215,458	2,978,642	261,779	3,641,488	2,124,464	959,988	7,665,203	10,749,655
1960 .. .. ..	161,492	230,685	3,203,843	257,065	3,853,085	2,352,048	926,233	8,925,262	12,203,543
1961 .. .. ..	147,814	284,886	3,287,281	224,016	3,943,997	2,241,013	872,864	10,093,311	13,207,188
1962 .. .. ..	122,327	255,368	3,419,866	212,401	4,009,962	2,325,366	768,478	9,886,013	12,979,857
1963— Silver-Lead-Zinc	...	11,541	1,012,243	207,111	1,230,895	1,050,621	91,140	2,141,080	3,282,841
Other Metallic	9,309	152,332	458,174	14,386	634,201	2,441	4,401	826,748	833,590
Coal .. ..	91,480	84,854	2,125,506	244	2,302,084	1,221,274	533,517	6,865,637	8,620,428
Non-metallic .. ..	4,737	58,234	55,041	638	118,650	973	68,100	337,201	406,274
Total .. .. ..	105,526	306,961	3,650,964	222,379	4,285,830	2,275,309	697,158	10,170,666	13,143,133

\* See note \*, Table I.

† Excludes value of explosives sold to employees. See Table I.

## No. 3. Fixed Assets of Mines\*, 1958 to 1963

Year	Additions and Replacements During the Year				Value at End of Year †			
	Land and Buildings	Machinery and Plant	Mine Development	Total	Land and Buildings	Machinery and Plant	Mine Development	Total
	£	£	£	£	£	£	£	£
<b>Silver-Lead-Zinc Mining</b>								
1958	27,147	467,570	482,824	977,541	2,570,689	6,149,672	6,173,356	14,893,717
1959	6,095	473,105	403,651	882,851	2,293,315	5,620,325	6,577,957	14,491,597
1960	88,131	485,668	350,931	924,730	1,679,406	4,720,052	12,606,014	19,005,472
1961	52,670	633,742	343,816	1,030,228	1,548,098	4,565,902	12,952,970	19,066,970
1962	28,728	687,698	204,751	921,177	1,451,667	4,567,317	13,155,371	19,174,355
1963	60,001	500,517	150	560,668	1,359,092	4,383,111	13,090,021	18,832,224
<b>Other Metallic Mining</b>								
1958	30,423	215,433	54,503	300,359	283,120	1,968,119	168,469	2,419,708
1959	4,593	376,373	30,514	411,480	245,235	1,589,520	134,599	1,969,354
1960	19,470	320,274	29,901	369,645	242,611	1,542,419	175,925	1,960,955
1961	40,434	504,355	68,134	612,923	242,696	1,590,890	187,711	2,021,297
1962	235,496	2,178,398	259,792	2,673,686	659,785	3,520,814	476,462	4,657,061
1963	347,550	1,637,060	1,076,485	3,061,095	868,539	4,511,989	1,500,451	6,880,979
<b>Coal Mining</b>								
1958	685,110	5,747,008	734,832	7,166,950	4,517,120	19,309,268	4,056,739	27,883,127
1959	432,829	5,275,810	901,061	6,609,700	4,767,436	21,243,370	4,453,417	30,464,223
1960	367,200	8,080,257	806,052	9,253,509	4,782,843	23,097,015	4,825,897	32,705,755
1961	632,692	6,738,225	1,475,197	8,846,114	5,170,657	30,496,723	6,140,842	41,808,222
1962	485,854	6,363,862	2,361,278	9,210,994	5,257,089	31,326,678	6,797,557	43,381,324
1963	527,857	5,112,430	1,942,169	7,582,456	5,202,442	30,518,393	7,049,985	42,770,820
<b>Non-metallic Mining (Excluding Clays)</b>								
1958	20,529	324,283	4,149	348,961	205,227	1,089,844	110,306	1,405,377
1959	11,837	183,125	1,557	196,519	211,552	1,033,289	105,334	1,350,175
1960	13,453	118,459	4,096	136,008	295,460	851,354	107,891	1,254,705
1961	41,018	433,276	5,973	480,267	216,980	1,100,319	107,140	1,424,439
1962	13,790	75,848	27,079	116,717	225,927	995,676	145,634	1,367,237
1963	19,853	182,752	4,123	206,728	229,389	996,118	108,527	1,334,034
<b>Total *</b>								
1958	763,209	6,754,294	1,276,308	8,793,811	7,576,156	28,516,903	10,508,870	46,601,929
1959	455,354	6,308,413	1,336,783	8,100,550	7,517,538	29,486,504	11,271,307	48,275,349
1960	488,254	9,004,658	1,190,980	10,683,892	7,000,320	30,210,840	17,715,727	54,926,887
1961	766,814	8,309,598	1,893,120	10,969,532	7,178,431	37,753,834	19,388,663	64,320,928
1962	763,868	9,305,806	2,852,900	12,922,574	7,594,468	40,410,485	20,575,024	68,579,977
1963	955,261	7,432,759	3,022,927	11,410,947	7,659,462	40,409,611	21,748,984	69,818,057

\* Excludes clay pits and quarries winning construction materials, for which these particulars are not available.

† Depreciated book values. Figures for 1961 were affected by a substantial revaluation of assets at certain coal mines.

## No. 4. Persons Employed in Mines\*, 1958 to 1963

Year	Persons Employed on Last Full Working Day						Average Number of Persons Employed †	
	Working Proprietors	Salaried Staff		Wage Earners		Males	Females	
		Above Ground	Below Ground	Above Ground	Below Ground			
<b>Silver-Lead-Zinc Mining</b>								
1958	15	720	376	1,586	3,238	5,840	95	5,935
1959	4	712	361	1,550	2,825	5,355	97	5,452
1960	17	739	379	1,549	2,658	5,223	119	5,342
1961	8	731	379	1,569	2,434	5,018	103	5,121
1962	4	659	318	1,299	2,199	4,389	90	4,479
1963	5	686	315	1,230	2,119	4,234	121	4,355
<b>Other Metallic Mining</b>								
1958	80	101	1	628	25	822	13	835
1959	83	99	1	629	18	817	13	830
1960	75	91	2	659	26	836	17	853
1961	88	87	1	769	43	967	21	988
1962	66	123	6	1,010	77	1,234	48	1,282
1963	70	149	12	1,185	68	1,443	41	1,484
<b>Coal Mining</b>								
1958	33	541	181	4,153	9,441	14,283	66	14,349
1959	31	577	210	3,885	8,562	13,203	62	13,265
1960	34	559	207	3,791	8,315	12,836	70	12,906
1961	25	521	178	3,491	7,664	11,810	69	11,879
1962	25	568	179	3,428	7,472	11,596	76	11,672
1963	27	532	176	3,253	7,457	11,366	79	11,445
<b>Non-metallic Mining (excluding Clays)</b>								
1958	53	37	...	522	5	616	1	617
1959	49	35	...	518	5	606	1	607
1960	49	31	...	533	5	617	1	618
1961	78	30	...	586	7	699	2	701
1962	122	33	...	572	7	733	1	734
1963	192	34	...	581	6	812	1	813
<b>Total *</b>								
1958	181	1,399	558	6,889	12,709	21,561	175	21,736
1959	167	1,423	572	6,582	11,410	19,981	173	20,154
1960	175	1,420	588	6,532	11,004	19,512	207	19,719
1961	199	1,369	558	6,415	10,148	18,494	195	18,689
1962	217	1,383	503	6,309	9,755	17,952	215	18,167
1963	294	1,401	503	6,249	9,650	17,855	242	18,097

\* Excludes clay pits and quarries winning construction materials, which, in 1963, had an average employment of 419 and 1,844, respectively.

† For coal mining, average during whole year; for other mining, average during period of operation. Includes working proprietors, but excludes fossickers.

## No. 5. Individual Mining and Quarrying Industries: Average Number of Persons Employed\*, 1954 to 1963

Persons employed include those engaged in actual mining and quarrying operations, and in crushing and ore dressing operations carried out in treatment works situated at or near the mine or quarry.

Industry	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
<b>Mining for Metallic Minerals</b>										
Antimony .. .. ..	46	38	28	36	32	10	10	10	10	12
Bauxite .. .. ..	2	3	3	2	2	2	2	2	2	3
Copper and Copper-Gold ..	33	60	66	80	63	44	71	92	112	196
Gold .. .. ..	161	163	122	131	136	31	78	87	71	59
Iron Oxide .. .. ..	3	3	3	3	8	16	17	15	16	14
Manganese .. .. ..	30	27	24	32	40	66	37	23	30	17
Mineral Sands .. .. ..	314	503	1,013	1,340	718	621	665	688	947	1,032
Silver-Lead-Zinc .. .. ..	6,618	6,765	6,803	6,717	6,234	5,607	5,357	5,186	4,826	4,350
Tin .. .. ..	178	164	147	109	152	171	156	161	133	175
Tungsten .. .. ..	33	21	10	4	...	2	2	2	...	...
Other Metallic Minerals ..	13	11	1	...	3	6	2	1	...	2
Total .. .. ..	7,431	7,758	8,220	8,447	7,392	6,598	6,397	6,267	6,148	5,860
<b>Mining for Fuel Minerals</b>										
Coal, Black .. .. ..	19,979	19,260	17,918	16,622	15,463	13,445	13,279	12,512	11,998	11,534
Total .. .. ..	19,979	19,260	17,918	16,622	15,463	13,445	13,279	12,512	11,998	11,534
<b>Mining for Non-metallic Minerals</b>										
Asbestos .. .. ..	26	26	31	34	43	51	38	39	38	40
Barite .. .. ..	8	9	7	4	5	1	2	2	3	4
Clays—										
Brick and Tile Clay and Shale ..	320	317	311	290	288	316	314	306	287	298
Other Clay and Shale ..	176	176	170	171	163	149	150	148	119	121
Diatomite .. .. ..	16	13	13	12	8	9	8	10	12	11
Dolomite .. .. ..	12	10	11	27	10	12	8	10	13	12
Felspar (including Cornish Stone) ..	31	30	22	23	19	16	12	17	14	19
Gypsum .. .. ..	38	45	36	36	37	33	28	31	33	31
Limestone (including Sea Shells) ..	388	371	343	331	351	328	337	374	361	371
Magnesite .. .. ..	68	97	107	126	101	79	90	121	102	100
Talcs (including Steatite and Pyrophyllite) ..	11	8	6	8	8	11	14	13	15	17
Other Non-metallic Minerals ..	70	74	78	73	101	127	127	193	222	230
Total .. .. ..	1,164	1,176	1,135	1,135	1,134	1,132	1,128	1,264	1,219	1,254
<b>Quarrying for Construction Materials</b>										
Sand and River Gravel—										
River Deposits .. ..	305	446	497	441	426	503	624	575	607	578
Other Deposits .. ..	50	56	68	61	92	92				
Dimension Stone—										
Granite .. .. ..	17	16	12	14	37	47				
Sandstone .. .. ..	133	137	115	135	134	143	200	244	202	243
Other .. .. ..	37	21	20	25	30	20				
Crushed and Broken Stone ..	692	569	533	569	565	683	823	936	967	1,023
Total .. .. ..	1,234	1,245	1,245	1,245	1,284	1,488	1,647	1,755	1,776	1,844
<b>All Mining and Quarrying Industries</b>										
Total .. .. ..	29,808	29,439	28,518	27,449	25,273	22,663	22,451	21,798	21,141	20,492

\* For coal mining, average during whole year; for other mining, average during period of operation. Includes working proprietors, but excludes fossickers (estimated at 353 in 1963) and employees of Main Roads Department and Municipal and Shire Councils winning road materials (estimated at 837 in 1963).

**No. 6. Individual Mining and Quarrying Industries: Value of Output, 1954 to 1963**

Industry	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
	£ thousand									
<b>Mining for Metallic Minerals</b>										
Antimony .. .. .. ..	9	30	34	60	88	82	19	20	13	13
Bauxite .. .. .. ..	3	3	5	3	1	4	3	2	5	6
Copper and Copper-Gold .. .. .. ..	16	23	22	12	15	25	15	19	26	30
Gold .. .. .. ..	329	283	250	269	102	7	19	12	7	6
Iron Oxide .. .. .. ..	14	14	16	13	12	17	36	52	50	40
Manganese .. .. .. ..	17	15	18	19	26	45	30	20	13	15
Mineral Sands .. .. .. ..	1,021	2,172	5,225	6,503	2,960	2,664	2,773	3,118	3,193	5,562
Silver-Lead-Zinc .. .. .. ..	26,672	31,950	34,104	26,820	19,093	20,947	21,929	17,706	17,555	27,243
Tin .. .. .. ..	211	216	230	173	190	151	192	170	211	255
Tungsten .. .. .. ..	8	11	6	1	...	...	...	...	...	...
Other Metallic Minerals .. .. .. ..	39	5	1	...	1	...	1	1	1	1
Total .. .. .. ..	28,339	34,722	39,911	33,873	22,488	23,942	25,017	21,120	21,074	33,171
<b>Mining for Fuel Minerals</b>										
Coal, Black .. .. .. ..	42,762	41,715	40,637	40,450	39,979	37,437	42,677	45,112	47,034*	45,419
Total .. .. .. ..	42,762	41,715	40,637	40,450	39,979	37,437	42,677	45,112	47,034*	45,419
<b>Mining for Non-metallic Minerals</b>										
Asbestos .. .. .. ..	57	54	57	66	69	67	107	86	95	103
Barite .. .. .. ..	3	4	2	13	10	...	...	...	1	6
Clays—										
Brick and Tile Clay and Shale .. ..	548	604	616	578	649	782	880	789	810	1,047
Other Clay and Shale .. ..	224	240	224	269	222	221	262	310	300	293
Diatomite .. .. .. ..	14	11	20	22	13	17	15	17	14	10
Dolomite .. .. .. ..	7	21	26	18	18	25	22	21	22	21
Felspar (including Cornish Stone) ..	39	51	49	39	29	29	29	36	34	44
Gypsum .. .. .. ..	166	191	171	194	171	206	201	199	137	128
Limestone (including Sea Shells) ..	817	842	901	990	1,132	953	1,042	1,296	1,270	1,416
Magnesite .. .. .. ..	147	214	243	330	283	253	259	381	275	233
Talc (including Steatite and Pyrophyllite) .. .. ..	5	5	5	7	6	7	9	14	13	12
Other Non-metallic Minerals .. .. ..	69	79	97	106	136	244	184	210	264	292
Total .. .. .. ..	2,096	2,316	2,411	2,632	2,738	2,804	3,010	3,359	3,235	3,605
<b>Quarrying for Construction Materials</b>										
Sand and River Gravel—										
River Deposits .. .. .. ..	877	975	1,222	1,543	1,419	1,510	2,434	1,944	2,075	2,883
Other Deposits .. .. .. ..	190	196	266	264	325	206				
Dimension Stone—										
Granite .. .. .. ..	10	10	8	7	33	41	324	458	385	533
Sandstone .. .. .. ..	172	173	175	245	228	256				
Other .. .. .. ..	36	30	20	31	26	25				
Crushed and Broken Stone .. .. ..	3,751	4,158	4,235	4,410	4,400	5,080	6,375	6,363	6,411	7,065
Total .. .. .. ..	5,036	5,542	5,926	6,500	6,431	7,118	9,133	8,765	8,871	10,481
<b>All Mining and Quarrying Industries</b>										
Total .. .. .. ..	78,233	84,295	88,885	83,455	71,636	71,301	79,837	78,356	80,214	92,676

\* Not strictly comparable with earlier years because of a revised method of valuation at certain mines (which increased values for 1962 by approximately £2,000,000).

## No. 7. Minerals Produced: Quantity, Value, and Contents, 1958 to 1963

Quantities and values of minerals produced are recorded in the form (i.e., as ores, concentrates, etc.) in which the material leaves the mine or treatment works situated at or near the mine. Actual production is recorded except where, as indicated by footnote, sales are considered the more appropriate basis. The assayed gross contents, as shown in this table, are re-assembled in Table 8 to show the total estimated "mine production" of each metal or element contained in metallic minerals of all kinds.

Mineral	Unit of Quantity	Quantity						Value (£)					
		1958	1959	1960	1961	1962	1963	1958	1959	1960	1961	1962	1963
<b>Metallic Minerals</b>													
Antimony Concentrates* ..	ton	1,062.0	1,019.0	250.0	187.7	99.3	114.5	83,790	82,082	18,642	20,006	12,445	13,384
Antimony Content ..	ton	661.0	625.7	151.0	116.3	65.7	74.3						
Antimony Ore* ..	ton	52.3	1.9	3.0	...	...	...	3,205	158	129	...	...	...
Antimony Content ..	ton	29.9	1.2	1.6	...	...	...						
Bauxite ..	ton	1,664	4,244	3,647	2,437	5,225	7,352	1,481	3,714	3,191	2,132	4,572	6,433
Alumina Content ..	ton	633	1,648	1,386	929	1,991	2,801						
Beryllium Ore* ..	ton	10.3	47.9	8.7	36.3	9.7	12.7	1,953	8,619	1,510	6,955	1,874	1,613
Beryllium Oxide Content ..	ton	1.2	5.6	1.2	4.9	1.3	1.6						
Chromite ..	ton	39	...	...	...	...	...	561	...	...	...	...	...
Chromic Oxide Content ..	ton	16.8	...	...	...	...	...						
Copper Ore* ..	ton	20.6	58.3	80.2	222.0	32.1	...	161	528	713	998	363	...
Copper Content ..	ton	1.6	4.4	7.5	20.7	2.9	...						
Gold Content ..	oz. fine	...	...	...	...	...	...						
Silver Content ..	oz. fine	...	10	7	582	61	...						
Copper Concentrates ..	ton	5,204	4,843	4,228	4,526	642	...	263,149	235,186	229,402	309,104	31,715	...
Copper Content ..	ton	985.9	877.0	828.2	896.5	142.7	...						
Gold Content ..	oz. fine	3,197	2,699	3,066	2,556	302	...						
Silver Content ..	oz. fine	64,736	56,217	58,760	56,659	6,370	...						
Copper Precipitates* ..	ton	98.6	124.4	84.8	84.3	135.8	151.6	13,922	21,972	14,464	14,376	25,898	30,068
Copper Content ..	ton	65.9	83.1	62.6	57.2	107.0	117.5						
Gold Concentrates ..	ton	110	...	1.9*	0.6*	...	...	4,523	...	3,610	6,054	...	...
Gold Content ..	oz. fine	319	...	228	385	...	...						
Silver Content ..	oz. fine	336	...	150	98	...	...						
Copper Content ..	ton	0.4	...	...	...	...	...						

\* Despatches from the mine (or sales), as distinct from production.

## No. 7. Minerals Produced: Quantity, Value, and Contents, 1958 to 1963 (continued)

Mineral	Unit of Quantity	Quantity						Value (£)					
		1958	1959	1960	1961	1962	1963	1958	1959	1960	1961	1962	1963
Metallic Minerals (continued)													
Gold: Other Formst .. ..	oz. fine	5,436	515	1,164	586	488	394	99,777	7,318	15,209	6,160	6,874	5,608
Gold Content .. ..	oz. fine	4,678	461	939	368	432	321						
Silver Content .. ..	oz. fine	256	47	121	43	35	33						
Platinum Content .. ..	oz.	...	...	0.2	...	...	...						
Ilmenite Concentrates* .. ..	ton	131	230	1,192	2,012	4,288	5,975	569	1,442	1,484	2,406	6,773	8,822
Titanium Dioxide Content .. ..	ton	59	111	537	905	1,930	2,689						
Iron Oxide—													
For Gas Purification .. ..	ton	2,106	1,933	1,589	565	634	1,182	10,256	9,833	9,206	3,399	3,322	5,382
For Cement Manufacture* .. ..	ton	831	3,281	10,748	17,922	17,160	11,813	1,657	6,980	26,303	45,346	42,927	30,403
For Coal Washing* .. ..	ton	25	30	386	1,260	1,715	1,825	300	347	991	2,957	3,859	4,106
Lead Concentrates .. ..	ton	327,098	323,633	310,408	277,910	384,535	429,944	15,750,550	16,843,630	15,315,286	12,940,835	14,100,302	20,818,556
Lead Content .. ..	ton	241,521	242,323	231,658	207,716	289,090	324,461						
Silver Content .. ..	oz. fine	8,509,147	8,169,920	8,002,023	7,050,980	9,643,454	11,058,747						
Gold Content .. ..	oz. fine	8,571	8,396	7,679	7,088	8,902	9,485						
Antimony Content .. ..	ton	664.4	651.9	631.6	563.0	808.3	932.7						
Cadmium Content .. ..	ton	73.9	72.2	67.8	54.7	71.7	87.8						
Copper Content .. ..	ton	2,507.3	2,323.2	2,133.6	2,044.7	3,094.8	3,319.5						
Sulphur Content .. ..	ton	49,559	48,042	46,715	42,667	57,848	64,695						
Zinc Content .. ..	ton	...	...	...	12,256	17,257	18,530						
Lithium .. ..	ton	...	...	14.7	24.4	28.3	20.4	...	...	353	475	540	430
Lithium Oxide Content .. ..	ton	...	...	1.0	1.9	2.3	1.4						
Manganese Ore*—													
Battery Grade .. ..	ton	717	1,206	838	883	583	624	13,285	27,013	18,945	19,528	13,210	15,032
Manganese Dioxide Content .. ..	ton	511	898	616	632	424	467						
Metallurgical Grade .. ..	ton	1,141	1,360	724	...	...	...	12,966	18,038	8,955	...	...	...
Manganese Content .. ..	ton	516	620	342	...	...	...						
Other Grades .. ..	ton	...	12	11	...	...	...	...	235	200	...	...	...
Manganese Dioxide Content .. ..	ton	...	9	7	...	...	...						

\* Despatches from the mine (or sales), as distinct from production.

† Bullion, alluvial, retorted gold, etc. The value shown includes subsidy received under the (Commonwealth) Gold-mining Industry Assistance Act.

No. 7. Minerals Produced: Quantity, Value, and Contents, 1958 to 1963 (continued)

Mineral	Unit of Quantity	Quantity						Value (£)					
		1958	1959	1960	1961	1962	1963	1958	1959	1960	1961	1962	1963
Metallic Minerals (continued)													
Molybdenite Concentrates* ..	lb.	...	...	...	...	2,300	...	...	...	...	...	300	...
Molybdenum Sulphide Content ..	lb.	...	...	...	...	2,070	...	...	...	...	...	...	...
Bismuth Content ..	lb.	...	...	...	...	...	...	...	...	...	...	...	...
Monazite Concentrates* ..	ton	226	187	40	154	145	515	30,782	19,781	1,392	4,333	4,863	21,484
Monazite Content ..	ton	210	173	38	144	136	471						
Platinum Concentrates* ..	oz.	28.0	...	7.0	3.0	3.0	6.0	556	...	181	85	85	140
Platinum Content ..	oz.	21.6	...	4.1	2.0	2.0	4.0						
Palladium Content ..	oz.	...	...	...	...	...	...						
Osmiridium Content ..	oz.	1.3	...	0.2	...	...	...						
Gold Content ..	oz. fine	...	...	...	...	...	...						
Pyrite Concentrates ..	ton	36,730	34,550	32,770	31,138	4,130	...	179,691	160,117	161,279	134,118	89,701†	...
Sulphur Content ..	ton	17,715	16,577	15,637	14,949	2,012	...						
Rutile Concentrates ..	ton	46,491	46,283	54,002	66,607	80,171	135,149	2,456,225	1,811,377	1,972,159	2,025,099	2,146,728	4,120,536
Titanium Dioxide Content ..	ton	44,915	44,792	52,262	64,284	77,227	129,931						
Silver-Copper Concentrates* ..	ton	...	...	...	116	78	...	...	...	...	6,331	3,139	...
Silver Content ..	oz. fine	...	...	...	25,520	10,303	...						
Copper Content ..	ton	...	...	...	9.3	3.7	...						
Silver-Lead Ore* ..	ton	4,231	181	253	245	328	1,573	50,851	2,525	3,309	3,171	3,637	14,581
Silver Content ..	oz. fine	58,653	5,109	6,527	4,465	6,560	27,131						
Lead Content ..	ton	729	33	44	42	51	180						
Gold Content ..	oz. fine	15	...	...	...	...	...						
Copper Content ..	ton	...	...	...	...	...	...						
Tin Concentrates* ..	ton	334	240	307	238	293	352	190,332	151,502	192,332	170,536	211,234	254,539
Tin Content ..	ton	239	174	223	173	212	250						

\* Despatches from the mine (or sales), as distinct from production.

† Includes bounty payments made in respect of the previous year's production.

## No. 7. Minerals Produced: Quantity, Value, and Contents, 1958 to 1963 (continued)

Mineral	Unit of Quantity	Quantity						Value (£)					
		1958	1959	1960	1961	1962	1963	1958	1959	1960	1961	1962	1963
<b>Metallic Minerals (continued)</b>													
Tungsten Concentrates*—													
Scheelite Concentrates ..	lb.	3,372	1,359	644	196	...	...	455	204	149	22	...	...
Tungstic Oxide Content ..	lb.	2,504	1,007	463	123	...	...						
Wolfram Concentrates ..	lb.	...	...	...	175	...	...	...	...	...	22	...	...
Tungstic Oxide Content ..	lb.	...	...	...	109	...	...	...	...	...			
Wolfram-Scheelite Concentrates ..	lb.	...	...	...	...	...	...	...	...	...	...	...	...
Tungstic Oxide Content ..	lb.	...	...	...	...	...	...	...	...	...	...	...	...
Zinc Concentrates ..	ton	408,169	387,452	444,652	425,442	428,282	465,158	1,845,327	3,707,318	6,219,960	4,316,284	3,326,457	6,410,251
Zinc Content ..	ton	211,667	202,675	234,170	225,578	227,606	247,107						
Lead Content ..	ton	4,646	4,093	4,166	3,921	3,240	3,821						
Sulphur Content ..	ton	130,462	124,273	142,006	137,043	136,933	148,017						
Silver Content ..	oz. fine	359,165	323,900	330,301	309,610	262,396	338,947						
Cadmium Content ..	ton	738.4	729.0	825.6	789.9	848.3	946.9						
Copper Content ..	ton	462.3	440.4	540.1	481.8	395.7	425.9						
Gold Content ..	oz. fine	1,929	1,719	1,716	1,637	1,598	1,589						
Cobalt Content ..	ton	70.4	60.1	64.7	64.9	76.5	85.7						
Manganese Content ..	ton	5,494	5,585	5,207	4,107	5,646	6,746						
Zircon Concentrates ..	ton	32,542	71,777	66,328	100,085	91,298	119,586	249,523	619,719	601,931	896,510	846,386	1,135,202
Zircon Content ..	ton	32,230	71,156	65,764	98,421	89,947	117,520						
Zircon-Rutile Concentrates*—	ton	34,140	47,448	50,310	62,961	72,567	93,640	221,910	211,144	196,209	185,206	188,674	275,998
Zircon Content ..	ton	11,949	16,607	17,610	22,801	32,267	41,668						
Titanium Dioxide Content ..	ton	11,609	16,132	17,105	21,278	21,196	28,608						
Total Value, Metallic Minerals ..	...	...	...	...	...	...	...	22,487,757	23,950,832	25,017,494	21,122,748	21,075,578	33,172,568
<b>Fuel Minerals</b>													
Coal, Black: Bituminous ..	ton	15,840,550	15,712,440	17,736,994	19,020,805	19,030,418	18,940,206	39,944,372	37,436,654	42,676,951	45,112,393	47,033,829†	45,418,897
Sub-bituminous ..	ton	10,398	...	...	...	...	...	34,822	...	...	...	...	...
Total Value, Fuel Minerals ..	...	...	...	...	...	...	...	39,979,194	37,436,654	42,676,951	45,112,393	47,033,829†	45,418,897

\* Despatches from the mine (or sales), as distinct from production.

† Not strictly comparable with earlier years because of a revised method of valuation at certain mines (which increased values for 1962 by approximately £2,000,000).

No. 7. Minerals Produced: Quantity, Value, and Contents, 1958 to 1963 (continued)

Mineral	Unit of Quantity	Quantity						Value (£)					
		1958	1959	1960	1961	1962	1963	1958	1959	1960	1961	1962	1963
<b>Non-metallic Minerals</b>													
Asbestos, Chrysotile: Fibre Fines	ton	579	558	852	694	770	834	67,985	65,412	105,362	86,116	95,255	102,978
	ton	57	90	105	15	4	4	711	1,141	1,354	194	50	44
Barite	ton	3,991	60	60	60	435	1,540	9,821	96	111	108	790	5,793
Chlorite <sup>‡</sup>	ton	...	...	...	373	351	320	...	...	...	3,074	2,811	2,565
Clays—													
Kaolin and Ball Clay—													
For Refractories	ton	15,613	13,904	21,220	26,015	11,130	6,594	25,059	26,435	41,919	44,849	24,562	14,269
For Pottery	ton	3,173	4,538	11,465	5,987	3,795	5,736	12,406	15,451	17,802	13,954	10,411	14,529
For Other Purposes	ton	4,430	5,446	5,288	5,864	6,147	14,831	23,295	26,957	25,999	18,580	21,518	30,777
Other Pottery Clay and Shale	ton	2,891	1,771	1,297	575	...	...	4,750	796	868	274	...	...
Bentonitic Clay	ton	30	56	17	...	...	147	280	85	...	...	...	...
Brick Clay and Shale	ton	1,662,832	1,893,440	2,077,518	2,005,679	1,966,322	1,987,781	559,702	682,478	799,970	707,073	743,049	967,322
Cement Clay and Shale	ton	126,668	121,460	177,624	158,527	274,351	189,974	33,467	43,296	56,633	57,126	67,316	61,077
Fireclay	ton	87,763	89,988	88,872	113,055	120,753	104,578	81,187	75,132	68,319	110,387	115,853	141,962
Fuller's Earth	ton	120	136	90	151	272	70	510	680	450	755	1,091	300
Moulder's Clay	ton	...	199	223	162	176	142	...	1,891	749	1,218	1,540	1,243
Stoneware Clay	ton	87,975	64,345	75,353	107,614	101,187	94,849	44,151	38,166	41,650	59,670	62,721	56,500
Terra Cotta Clay—													
For Roofing Tiles	ton	137,679	132,111	121,576	144,555	101,513	78,698	76,262	80,714	80,305	78,568	56,886	48,000
For Other Purposes	ton	7,181	7,289	4,516	4,432	4,005	9,951	3,574	4,436	2,308	2,183	1,300	4,694
Diamonds, Industrial	carat	158	37	6	...	...	...	1,965	148	20	...	...	...
Diatomite	ton	3,100	4,409	3,941	4,331	4,318	2,837	12,901	17,339	15,380	16,741	14,327	10,492
Dolomite *	ton	3,957	3,776	3,357	4,796	4,919	4,481	17,503	20,769	16,790	21,220	21,770	19,635
Felspar (including Cornish Stone)	ton	5,302	4,700	5,325	5,378	5,925	6,690	27,011	20,584	27,009	28,591	30,971	40,889
Fluorspar	ton	...	...	...	...	...	15	...	...	...	...	...	90
Gems: Opal <sup>†</sup>	...	...	...	...	...	...	...	25,000	23,111	39,473	65,000	100,000	125,000
Sapphire	...	...	...	...	...	...	...	1,000	1,730	2,988	3,332	31,129	24,343
Rhodonite	...	...	...	...	...	...	...	...	...	1,602	750	739	1,674
Gypsum : Washed	ton	47,740	66,215	63,611	55,036	30,737	32,999	95,222	144,166	149,646	136,008	73,819	82,001
Unwashed	ton	42,924	34,928	31,903	42,214	41,065	29,248	75,321	61,489	51,505	63,185	63,526	46,110
Total, Gypsum	ton	90,664	101,143	95,514	97,250	71,802	62,247	170,543	205,655	201,151	199,193	137,345	128,111
Limestone *	ton	2,056,429	2,050,253	2,394,124	2,569,232	2,427,711	2,524,253	1,104,513	922,720	1,010,344	1,265,814	1,249,199	1,398,355
Loam, for Foundry Moulding	ton	21,505	15,410	16,206	19,306	16,259	16,174	16,712	12,723	11,977	14,870	11,926	11,856
Magnesite, Crude	ton	69,030	59,777	61,668	88,511	61,672	49,909	283,366	253,255	259,419	380,768	274,930	233,306

\* Excludes material used directly as a building or road material—see "Construction Materials" on page 15.

† Estimated.

‡ In 1960 and earlier years, Chlorite was included with Pyrophyllite.

## No. 7. Minerals Produced: Quantity, Value, and Contents, 1958 to 1963 (continued)

Mineral	Unit of Quantity	Quantity						Value (£)					
		1958	1959	1960	1961	1962	1963	1958	1959	1960	1961	1962	1963
Non-metallic Minerals (continued)													
Mica .. . . . .	ton	7	3	...	...	...	...	84	48	...	...	...	...
Mineral Pigments—													
Brown Umber .. . . .	ton	...	...	15	...	...	...	...	...	...	...	...	...
Red Ochre .. . . .	ton	15	...	15	...	...	...	122	...	137	...	...	...
Yellow Ochre .. . . .	ton	13	15	15	...	...	...	67	75	75	...	...	...
Pebbles, for Grinding .. . . .	ton	121	130	85	79	116	32	587	612	445	375	532	142
Perlite .. . . .	ton	...	...	267	347	501	915	100	...	...	...	100	...
Pyrophyllite† .. . . .	ton	267	347	501	915	931	837	1,868	2,428	4,123	7,367	6,965	5,510
Quartz *: For Ferro Alloys .. . . .	ton	...	...	705	1,674	1,444	1,113	1,779	2,624	2,085	5,647	6,156	...
For Other Purposes .. . . .	ton	705	1,674	1,444	1,113	1,779	2,624	2,085	5,647	6,156	4,676	6,072	9,474
Quartzite *—													
For Ferro Alloys .. . . .	ton	2,069	...	15,225	10,792	10,852	10,547	2,147	...	18,816	10,792	19,845	22,239
For Silica Bricks .. . . .	ton	31,304	38,619	37,639	46,230	27,936	20,621	60,502	75,447	75,251	91,249	56,389	48,887
For Other Purposes‡ .. . . .	ton	74	141	130	59	45	29	228	441	444	114	97	62
Sand *: Foundry Sand .. . . .	ton	5,081	4,579	3,768	5,328	10,858	32,570	6,681	4,875	6,726	3,594	7,475	17,255
Glass Sand .. . . .	ton	75,120	78,511	99,301	83,503	101,949	86,505	39,814	122,209	50,557	39,009	51,638	44,097
Other Sand .. . . .	ton	2,610	506	4,183	340	1,988	1,865	9,936	1,220	3,733	983	10,029	1,139
Sandstone *—													
Grinding Stones .. . . .	ton	204	59	64	64	42	106	2,128	576	1,110	925	593	1,050
For Foundry Sand .. . . .	ton	3,190	1,479	3,500	3,100	2,640	1,643	2,313	1,920	4,550	4,030	3,432	2,545
For Other Purposes .. . . .	ton	145	350	193	292	494	1,200	316	887	402	583	1,052	2,425
Sea Shells—													
For Cement .. . . .	ton	...	...	...	...	...	...	...	...	...	...	...	...
For Other Purposes .. . . .	ton	4,593	5,634	5,973	6,367	4,260	3,999	28,359	34,825	37,232	30,341	20,902	19,187
Serpentine, for Refractories .. . . .	ton	965	920	1,057	909	1,065	605	796	759	1,167	1,068	1,253	710
Siderite .. . . .	ton	...	...	...	2	10	...	...	...	...	40	225	...
Shale Ash‡ .. . . .	ton	...	...	...	70	37	50	...	...	...	234	126	148
Sillimanite .. . . .	ton	863	46	...	254	1,278	1,738	5,504	309	...	1,765	9,585	14,866
Slate, for Filler .. . . .	ton	15	...	...	...	...	...	46	...	...	...	...	...
Talc (including Steatite) .. . . .	ton	998	1,089	1,136	825	720	864	4,013	5,064	5,182	3,377	3,159	3,594
Total Value, Non-metallic Minerals .. . . .	...	...	...	...	...	...	...	2,771,137	2,798,737	3,046,143	3,380,930	3,276,958	3,639,134

\* Excludes material used directly as a building or road material—see "Construction Materials" on next page.

† In 1960 and earlier years, Chlorite was included with Pyrophyllite.

‡ In 1960 and earlier years, Shale Ash was included with Quartzite, for Other Purposes.

No. 7. Minerals Produced: Quantity, Value, and Contents, 1958 to 1963 (continued)

Mineral	Unit of Quantity	Quantity						Value (£)					
		1958	1959	1960	1961	1962	1963	1958	1959	1960	1961	1962	1963
<b>Construction Materials</b>													
Crushed and Broken Stone—													
Basalt	ton	1,857,709	2,236,534	2,701,033	3,103,100	3,287,433	3,166,845	1,532,250	1,808,092	2,205,725	2,668,419	2,684,046	2,946,680
Granite	ton	60,345	76,177	279,596	268,701	287,516	321,955	104,570	146,378	243,633	256,031	309,976	270,324
Limestone	ton	148,756	51,523	20,852	42,337	92,645	91,419	50,789	59,630	41,324	43,704	72,206	63,939
Marble	ton	...	235	148	2,871	2,774	572	...	892	1,589	6,443	7,891	2,778
Porphyry	ton	...	...	...	259,614	127,588	123,685	...	...	...	337,418	172,244	191,723
Quartzite	ton	...	...	16,445	35,203	28,420	29,605	...	...	29,227	53,844	39,425	31,781
Sandstone	ton	30,977	52,029	77,223	59,487	88,517	68,315	25,247	44,565	96,519	70,279	78,598	74,464
Unspecified	ton	8,929	24,393	2,125	22,641	32,652	6,471	11,908	25,257	3,135	7,369	13,724	8,026
Dimension Stone—													
Building and Monumental Stone—													
Rough—													
Basalt	ton	25,357	18,675	89,981	196,608	33,595	139,200	16,938	17,520	45,169	99,399	17,288	51,900
Granite	ton	27,083	50,782	5,021	1,281	771	1,655	33,131	41,602	9,932	5,313	6,765	13,052
Limestone	ton	...	...	410	400	42	...	...	...	3,427	3,000	52	...
Marble	ton	555	516	6,532	161	56	...	6,374	956	19,030	201	70	...
Quartzite	ton	...	...	120	610	268	353	...	...	360	820	110	145
Sandstone	ton	61,662	57,458	25,156	115,923	121,295	119,846	28,341	26,091	11,769	67,471	58,946	49,486
Unspecified	ton	2,037	1,570	188	290	666	70,950	1,095	740	150	220	500	69,940
Dressed—													
Basalt	ton	26	15	12	18	11	...	1,297	612	651	828	645	...
Granite	ton	...	...	...	...	117	14	...	...	...	...	2,700	815
Marble	ton	...	322	328	642	1,067	1,200	...	...	5,105	8,000	41,562	54,385
Sandstone	ton	23,435	24,520	26,286	31,812	35,366	32,984	179,958	194,583	197,406	209,113	218,483	239,017
Unspecified	ton	...	...	...	...	...	25	...	...	...	...	...	650
Curbing and Flagging—													
Basalt	ton	3,523	...	...	...	...	...	5,638	...	...	...	...	...
Quartzite	ton	...	...	201	...	...	...	...	...	905	...	...	...
Sandstone	ton	3,179	3,362	3,166	6,166	4,137	4,927	17,197	24,540	32,761	31,647	28,207	30,647
River Gravel and Gravel Boulders	ton	1,580,187	1,408,280	1,770,063	1,449,680	1,491,879	1,853,105	1,082,732	1,081,818	1,536,578	1,141,910	1,172,372	1,544,178
Sand	ton	1,790,150	2,144,938	2,974,792	2,937,091	2,957,097	3,670,468	695,849	806,128	1,106,156	975,599	994,298	1,303,157
Other Road Material	ton	12,172,687	13,034,079	15,055,115	14,798,194	15,491,250	18,232,424	2,604,933	2,830,542	3,502,748	2,719,619	2,894,299	3,475,226
Total Value, Construction Materials	...	...	...	...	...	...	...	6,398,247	7,115,051	9,096,194	8,740,209	8,827,230	10,444,928
<b>All Mining and Quarrying</b>													
Total Value of Output	...	...	...	...	...	...	...	71,636,335	71,301,274	79,836,782	78,356,280	80,213,595	92,675,527

### No. 8. Contents of Metallic Minerals Produced, 1954 to 1963

The contents of metallic minerals produced in N.S.W., as set out in Table 7, are re-assembled below to show the "mine production" of each metal or element for which the ores, concentrates, etc., are to be further treated. These totals represent gross contents, as determined by assay, and make no allowance for losses in smelting and refining. The quantities shown are therefore, in general, greater than those actually recoverable. The dissection between contents "Available for Recovery in Australia" and "Destined for Export in Ores, etc." is based on preliminary advices received from producers or ore buyers.

Mineral in which Contained	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963		
	Total	Total	Total	Total	Total	Total	Total	Total	Total	Available for Recovery in Australia	Destined for Export in Ores, etc.	Total
<b>Antimony (tons)</b>												
Antimony Concentrates	51.8	204.3	222.4	446.4	661.0	625.7	151.0	116.3	65.7	...	74.3	74.3
Antimony Ore	31.1	30.9	41.0	37.9	29.9	1.2	1.6	...	...	734.7	198.0	932.7
Lead Concentrates	613.1	615.1	615.7	724.2	664.4	651.9	631.6	563.0	808.3	...	...	...
Lead Concentrates, from Slime Dumps	0.7	...	...	...	...	...	...	...	...	...	...	...
Total Antimony	696.7	850.3	879.1	1,208.5	1,355.3	1,278.8	784.2	679.3	874.0	734.7	272.3	1,007.0
<b>Cadmium (tons)</b>												
Lead Concentrates	66.5	69.1	69.4	76.2	73.9	72.2	67.8	54.7	71.7	73.0	14.8	87.8
Zinc Concentrates	759.0	725.9	792.4	848.2	738.4	729.0	825.6	789.9	848.3	641.4	305.5	946.9
Total Cadmium	825.5	795.0	861.8	924.4	812.3	801.2	893.4	844.6	920.0	714.4	320.3	1,034.7
<b>Cobalt (tons)</b>												
Zinc Concentrates	68.5	60.7	59.2	68.1	70.4	60.1	64.7	64.9	76.5	52.7	33.0	85.7
Total Cobalt	68.5	60.7	59.2	68.1	70.4	60.1	64.7	64.9	76.5	52.7	33.0	85.7

## No. 8. Contents of Metallic Minerals Produced, 1954 to 1963 (continued)

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Mineral in which Contained	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963		
	Total	Available for Recovery in Australia	Destined for Export in Ores, etc.	Total								
<b>Copper (tons)</b>												
Copper Ore .. .. .. .. ..	2.0	2.8	19.4	1.3	1.6	4.4	7.5	20.7	2.9	...	...	...
Copper Concentrates .. .. .. .. ..	388.5	734.5	993.3	920.9	985.9	877.0	828.2	896.5	142.7	...	...	...
Copper Matte .. .. .. .. ..	...	0.1	...	...	...	...	...	...	...	...	...	...
Copper Precipitates .. .. .. .. ..	64.4	63.3	43.2	41.0	65.9	83.1	62.6	57.2	107.0	117.5	...	117.5
Gold Concentrates .. .. .. .. ..	0.4	0.1	0.4	0.4	0.4	...	...	...	...	...	...	...
Lead Concentrates .. .. .. .. ..	2,126.3	2,067.7	2,692.6	2,869.8	2,507.3	2,323.2	2,133.6	2,044.7	3,094.8	2,192.1	1,127.4	3,319.5
Lead-Copper Concentrates .. .. .. .. ..	188.9	188.5	...	...	...	...	...	...	...	...	...	...
Lead Concentrates, from Slime Dumps .. .. .. .. ..	0.2	...	...	...	...	...	...	...	...	...	...	...
Silver-Copper Concentrates .. .. .. .. ..	...	...	...	...	...	...	...	9.3	3.7	...	...	...
Zinc Concentrates .. .. .. .. ..	411.8	435.1	539.7	548.4	462.3	440.4	540.1	481.8	395.7	277.7	148.2	425.9
Total Copper .. .. .. .. ..	3,182.5	3,492.1	4,288.6	4,381.8	4,023.4	3,728.1	3,572.0	3,510.2	3,746.8	2,587.3	1,275.6	3,862.9
<b>Gold (oz. fine)</b>												
Copper Ore .. .. .. .. ..	...	...	1	1	...	...	...	...	...	...	...	...
Copper Concentrates .. .. .. .. ..	910	2,417	3,000	3,178	3,197	2,699	3,066	2,556	302	...	...	...
Gold Ore .. .. .. .. ..	4	...	36	540	319	...	...	...	...	...	...	...
Gold Concentrates .. .. .. .. ..	243	522	298	540	319	...	228	385	...	...	...	...
Gold: Other Forms .. .. .. .. ..	20,852	17,601	15,744	16,840	4,678	461	939	368	432	321	...	321
Lead Concentrates .. .. .. .. ..	7,469	7,287	8,497	8,872	8,571	8,396	7,679	7,088	8,902	7,193	2,292	9,485
Lead-Copper Concentrates .. .. .. .. ..	405	557	...	...	...	...	...	...	...	...	...	...
Platinum Concentrates .. .. .. .. ..	2	...	...	1	...	...	...	...	...	...	...	...
Silver-Lead Ore .. .. .. .. ..	5	...	...	...	15	...	...	...	...	...	...	...
Zinc Concentrates .. .. .. .. ..	1,488	1,679	1,281	1,575	1,929	1,719	1,716	1,637	1,598	1,246	343	1,589
Total Gold .. .. .. .. ..	31,374	30,067	28,821	31,043	18,709	13,275	13,628	12,034	11,234	8,760	2,635	11,395
<b>Lead (tons)</b>												
Lead Concentrates .. .. .. .. ..	224,389	225,783	229,991	259,656	241,521	242,323	231,658	207,716	289,090	250,300	74,161	324,461
Lead Copper Concentrates .. .. .. .. ..	199	249	...	...	...	...	...	...	...	...	...	...
Lead Concentrates, from Slime Dumps .. .. .. .. ..	1,839	1,075	1,017	508	...	...	...	...	...	...	...	...
Lead Slag .. .. .. .. ..	17	17	4	...	...	...	...	...	...	...	...	...
Silver-Lead Ore .. .. .. .. ..	210	3,110	2,119	1,374	729	33	44	42	51	180	...	180
Silver-Lead Slimes .. .. .. .. ..	...	...	221	87	...	...	...	...	...	...	...	...
Zinc Concentrates .. .. .. .. ..	3,738	4,620	4,967	5,303	4,646	4,093	4,166	3,921	3,240	2,590	1,231	3,821
Total Lead .. .. .. .. ..	230,392	234,854	238,319	266,928	246,896	246,449	235,868	211,679	292,381	253,070	75,392	328,462

## No. 8. Contents of Metallic Minerals Produced, 1954 to 1963 (continued)

Mineral in which Contained	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963			
	Total	Available for Recovery in Australia	Destined for Export in Ores, etc.	Total									
<b>Molybdenum (lb. Molybdenum Sulphide)</b>													
Molybdenite Concentrates .. .. .. ..	...	51	...	...	...	...	...	2,070	...	...	...	...	...
Total Molybdenum .. .. .. ..	...	51	...	...	...	...	...	2,070	...	...	...	...	...
<b>Platinum (oz.)</b>													
Gold: Other Forms .. .. .. ..	23.0	6.7	18.2	17.3	21.6	...	0.2	2.0	2.0	4.0	...	4.0	...
Platinum Concentrates .. .. .. ..	23.0	6.7	18.2	17.3	21.6	...	4.1	2.0	2.0	4.0	...	4.0	...
Total Platinum .. .. .. ..	23.0	6.7	18.2	17.3	21.6	...	4.3	2.0	2.0	4.0	...	4.0	4.0
<b>Silver (oz. fine)</b>													
Copper Ore .. .. .. ..	10	56,218	72,880	74,565	64,736	56,217	58,760	56,659	6,370	...	...	...	...
Copper Concentrates .. .. .. ..	23,173	...	56,218	72,880	74,565	64,736	56,217	58,760	56,659	6,370	...	...	...
Copper Matte .. .. .. ..	...	13	...	...	...	...	...	...	...	...	...	...	...
Gold Concentrates .. .. .. ..	205	429	219	356	336	...	150	98	...	...	...	...	...
Gold: Other Forms .. .. .. ..	517	364	386	577	256	47	121	43	35	33	...	33	...
Lead Concentrates .. .. .. ..	7,893,818	7,612,343	8,301,438	9,065,276	8,509,147	8,169,920	8,002,023	7,050,980	9,643,454	9,103,288	1,955,459	11,058,747	...
Lead-Copper Concentrates .. .. .. ..	141,010	92,452	...	...	...	...	...	...	...	...	...	...	...
Lead Concentrates, from Slime Dumps ..	215,047	110,497	72,705	40,954	...	...	...	...	...	...	...	...	...
Lead Slag .. .. .. ..	1,063	893	256	...	...	...	...	...	...	...	...	...	...
Silver-Copper Concentrates .. .. .. ..	...	...	...	...	...	...	...	25,520	10,303	...	...	...	...
Silver-Lead Ore .. .. .. ..	22,918	584,207	424,212	345,953	58,653	5,109	6,527	4,465	6,560	27,131	...	27,131	...
Silver-Lead Slimes .. .. .. ..	...	...	20,408	6,478	...	...	...	...	...	...	...	...	...
Zinc Concentrates .. .. .. ..	382,353	365,795	395,715	434,918	359,165	323,900	330,301	309,610	262,396	242,520	96,427	338,947	...
Total Silver .. .. .. ..	8,680,114	8,823,211	9,289,583	9,969,102	8,992,293	8,555,203	8,397,889	7,447,957	9,929,179	9,372,972	2,051,886	11,424,858	...
<b>Sulphur (tons)</b>													
Lead-Copper Concentrates .. .. .. ..	328	370	...	...	...	...	...	...	...	...	...	...	64,695
Lead Concentrates .. .. .. ..	46,336	46,190	47,032	52,595	49,559	48,042	46,715	42,667	57,848	50,429	14,266	...	...
Pyrite Concentrates .. .. .. ..	5,334	11,236	540	7,117	17,715	16,577	15,637	14,949	2,012	...	...	...	...
Zinc Concentrates .. .. .. ..	122,314	128,884	139,515	147,892	130,462	124,273	142,006	137,043	136,933	98,217	49,800	148,017	...
Total Sulphur .. .. .. ..	174,312	186,680	187,087	207,604	197,736	188,892	204,358	194,659	196,793	148,646	64,066	212,712	...

No. 8. Contents of Metallic Minerals Produced, 1964 to 1953 (continued)

Mineral in which Contained	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963		
	Total	Available for Recovery in Australia	Destined for Export in Ores, etc.	Total								
<b>Tin (tons)</b>												
Tin Concentrates .. . . . .	272	270	269	211	239	174	223	173	212	250	...	250
Total Tin .. . . . .	272	270	269	211	239	174	223	173	212	250	...	250
<b>Titanium (tons Titanium Dioxide)</b>												
Ilmenite Concentrates .. . . . .	210†	212†	420†	485	59	111	537	905	1,930	*	*	2,689
Rutile Concentrates .. . . . .	21,872	33,045	62,470	83,363	44,915	44,792	52,262	64,284	77,227	*	*	129,931
Zircon-Rutile Concentrates .. . . . .	2,640	4,085	7,407	13,311	11,609	16,132	17,105	21,278	21,196	*	*	28,608
Total Rutile .. . . . .	24,722	37,342	70,297	97,159	56,583	61,035	69,904	86,467	100,353	*	*	161,228
<b>Tungsten (lb. Tungstic Oxide)</b>												
Scheelite Concentrates .. . . . .	6,009	6,438	3,890	2,690	2,504	1,007	463	123	...	...	...	...
Tin-Tungsten Concentrates .. . . . .	12	...	...	...	...	...	...	...	...	...	...	...
Wolfram Concentrates .. . . . .	4,827	2,594	5,787	585	...	...	...	109	...	...	...	...
Wolfram-Scheelite Concentrates .. . . . .	8,064	7,898	205	113	...	...	...	...	...	...	...	...
Total Tungsten .. . . . .	18,912	16,930	9,882	3,388	2,504	1,007	463	232	...	...	...	...
<b>Zinc (tons)</b>												
Lead Concentrates .. . . . .	...	...	...	...	...	...	...	...	...	...	...	...
Zinc Concentrates .. . . . .	202,646	211,478	229,126	241,509	211,667	202,675	234,170	12,256	17,257	14,882	3,648	18,530
Total Zinc .. . . . .	202,646	211,478	229,126	241,509	211,667	202,675	234,170	237,834	227,606	164,013	83,094	247,107

\* Not available—mainly "Destined for Export".

† Estimated.

## No. 9. Mine Production\* of Principal Metals and Sulphur, 1953 to 1963

Year	Antimony	Cadmium	Cobalt	Copper	Gold	Lead
	Tons	Tons	Tons	Tons	Oz. fine	Tons
1953	616.7	724.2	52.7	3,626.0	26,461	217,574
1954	696.7	825.5	68.5	3,182.5	31,374	230,392
1955	850.3	795.0	60.7	3,492.1	30,067	234,854
1956	879.1	861.8	59.2	4,288.6	28,821	238,319
1957	1,208.5	924.4	68.1	4,381.8	31,043	266,928
1958	1,355.3	812.3	70.4	4,023.4	18,709	246,896
1959	1,278.8	801.2	60.1	3,728.1	13,275	246,449
1960	784.2	893.4	64.7	3,572.0	13,628	235,868
1961	679.3	844.6	64.9	3,510.2	12,034	211,679
1962	874.0	920.0	76.5	3,746.8	11,234	292,381
1963	1,007.0	1,034.7	85.7	3,862.9	11,395	328,462
Year	Silver	Sulphur	Tin	Titanium †	Tungsten	Zinc
	Oz. fine	Tons	Tons	Tons $\text{TiO}_2$	lb. $\text{WO}_3$	Tons
1953	8,069,013	169,453	342	22,438	127,744	189,526
1954	8,680,114	174,312	272	24,722	18,912	202,646
1955	8,823,211	186,680	270	37,342	16,930	211,478
1956	9,289,583	187,087	269	70,297	9,882	229,126
1957	9,969,102	207,604	211	97,159	3,388	241,509
1958	8,992,293	197,736	239	56,583	2,504	211,667
1959	8,555,203	198,892	174	61,035	1,007	202,675
1960	8,397,889	204,358	223	69,904	463	234,170
1961	7,447,957	194,659	173	86,467	232	237,834
1962	9,929,179	196,793	212	100,353	...	244,863
1963	11,424,858	212,712	250	161,228	...	265,637

\* These are gross contents of metallic minerals produced, as determined by assay, and make no allowance for losses in smelting and refining. The quantities shown are therefore, in general, greater than those actually recoverable.

† Titanium dioxide content of ilmenite, rutile, and zircon-rutile concentrates.

## No. 10. London Metal Prices\*, 1939 to 1963

Year	Copper (Electrolytic)	Silver	Lead	Zinc (Virgin)	Tin
	£ s. d. per ton	s. d. per oz. fine	£ s. d. per ton		
1939	49 16 10	1 10.02	15 13 2	14 13 3	226 5 8
1953	254 7 8	6 1.95	91 7 2	75 1 3	730 14 11
1954	248 11 9	6 1.48	96 7 1	78 4 8	718 18 3
1955	351 8 4	6 5.51	105 17 8	90 13 10	740 4 8
1956	328 18 6	6 7.13	116 6 7	97 15 4	787 13 5
1957	219 9 10	6 6.93	96 13 4	81 12 4	754 16 10
1958	197 7 8	6 4.21	72 16 1	65 18 1	735 0 8
1959	237 15 2	6 6.82	70 15 9	82 2 6	785 4 2
1960	245 19 2	6 7.38	72 2 11	89 6 4	796 12 8
1961	229 11 5	6 8.25	64 4 2	77 15 1	887 18 11
1962	233 19 8	7 7.56	56 6 5	67 9 3	896 12 8
1963	234 3 9	9 2.13	63 8 7	76 15 4	909 17 4

\* Spot prices, averages of buyers' and sellers' quotes. The prices are annual averages, quoted in sterling.

## No. 11. Prices of Metals in Australia\*, 1939 to 1963

At 31st December	Copper (Electrolytic)	Lead	Zinc (Electrolytic)	Tin
	£ s. d. per ton			
1939	63 17 6	20 17 6	20 2 6	299 0 0
1953	300 0 0	106 17 6	90 0 0	817 0 0
1954	350 0 0	126 17 6	105 17 6	889 15 0
1955	477 5 0	141 0 0	124 10 0	1,053 15 0
1956	357 0 0	141 2 6	127 7 6	1,029 0 0
1957	330 0 0	87 5 0	79 12 6	967 0 0
1958	293 0 0	100 0 0	100 0 0	1,034 0 0
1959	338 0 0	100 0 0	118 0 0	1,042 0 0
1960	301 0 0	100 0 0	101 2 6	1,031 0 0
1961	305 0 0	95 0 0	100 0 0	1,230 0 0
1962	305 0 0	80 0 0	106 2 6	1,112 0 0
1963	305 0 0	90 0 0	128 17 6	1,326 0 0

\* Home consumption selling prices ruling at end of year. The bases are—Copper: ex works, Port Kembla; Lead: f.o.b. Port Pirie; Zinc: f.o.b. Risdon until June, 1962, and c.i.f. Sydney from July, 1962 (average for 1962 is on the basis of c.i.f. Sydney); Tin: delivered, Sydney (ex works, Sydney, before 1954). Price controls, imposed on these metals in December, 1939, were removed from Lead, Zinc, and Tin in April, 1953, and from Copper in October, 1954.

The official price of gold has been £15 12s. 6d. per ounce fine since May, 1954.

## No. 12. Coal Produced, 1953 to 1963

Year	Underground Mines				Open Cut Mines				Total, All Mines			
	Northern District	Southern District	Western District	Total, N.S.W.	Northern District	Southern District	Western District	Total, N.S.W.	Northern District	Southern District	Western District	Total, N.S.W.
Thousands tons												
1953	7,956	3,009	1,487	12,452	1,086	...	636	1,722	9,042	3,009	2,123	14,174
1954	8,627	3,366	1,710	13,703	919	...	461	1,380	9,546	3,366	2,171	15,083
1955	8,484	3,595	1,756	13,835	806	...	95	901	9,290	3,595	1,851	14,736
1956	8,360	3,982	1,658	14,000	810	...	...	810	9,170	3,982	1,658	14,810
1957	8,480	4,556	1,626	14,662	728	...	...	728	9,208	4,556	1,626	15,390
1958	8,864	4,693	1,574	15,131	720	...	...	720	9,584	4,693	1,574	15,851
1959	8,904	4,812	1,562	15,278	434	...	...	434	9,338	4,812	1,562	15,712
1960	9,669	5,735	1,578	16,982	755	...	...	755	10,424	5,735	1,578	17,737
1961	9,545	7,058	1,586	18,189	832	...	...	832	10,377	7,058	1,586	19,021
1962	9,224	7,454	1,518	18,196	834	...	...	834	10,058	7,454	1,518	19,030
1963	8,882	7,817	1,639	18,338	602	...	...	602	9,484	7,817	1,639	18,940

## No. 13. Underground Coal Mines: Coal Mechanically Cut and Loaded, 1953 to 1963

Year	Coal Mechanically Cut				Coal Mechanically Loaded			
	Northern District	Southern District	Western District	All Districts	Northern District	Southern District	Western District	All Districts
Proportion per cent. of Total Production								
1953	51.1	76.4	37.9	55.6	52.4	74.3	51.2	57.5
1954	52.8	77.9	46.4	58.2	55.8	76.1	62.0	61.6
1955	57.4	81.0	57.2	63.5	61.4	80.2	64.3	66.7
1956	58.6	81.4	65.5	66.0	65.7	81.1	73.1	70.9
1957	67.4	83.8	74.4	73.3	72.6	84.6	81.8	77.3
1958	75.5	83.4	88.3	79.3	78.6	83.9	91.8	81.6
1959	86.4	88.5	89.5	87.4	87.8	88.3	90.4	88.2
1960	87.6	91.0	89.7	88.9	93.2	91.5	90.2	92.4
1961	90.0	94.1	92.5	91.8	95.5	95.4	93.1	95.2
1962	92.0	95.0	94.8	93.5	96.4	96.1	98.7	96.5
1963	91.7	95.8	95.1	93.8	97.1	96.4	98.5	96.9

## No. 14. Manshifts Worked and Lost in Coal Mines, 1953 to 1963

Year	Manshifts Worked				Manshifts Lost				Manshifts Possible			
	Northern District	Southern District	Western District	All Districts	Northern District	Southern District	Western District	All Districts	Northern District	Southern District	Western District	All Districts
Thousands Manshifts												
Underground Mines												
1953	2,774	865	404	4,043	511	143	73	727	3,285	1,008	477	4,770
1954	2,870	909	442	4,221	498	142	62	702	3,368	1,051	504	4,923
1955	2,760	891	431	4,082	501	142	61	704	3,261	1,033	492	4,786
1956	2,615	958	371	3,944	380	161	46	587	2,995	1,119	417	4,531
1957	2,362	991	322	3,675	346	166	37	549	2,708	1,157	359	4,224
1958	2,184	1,013	284	3,481	275	149	25	449	2,459	1,162	309	3,930
1959	1,870	983	263	3,116	181	139	24	344	2,051	1,122	287	3,460
1960	1,849	1,048	254	3,151	181	144	21	346	2,030	1,192	275	3,497
1961	1,571	1,108	238	2,917	114	132	20	266	1,685	1,240	258	3,183
1962	1,465	1,087	216	2,768	108	127	18	253	1,573	1,214	234	3,021
1963	1,323	1,081	202	2,606	90	115	16	221	1,413	1,196	218	2,827
Open Cut Mines												
1953	125	...	77	202	8	...	6	14	133	...	83	216
1954	104	...	50	154	8	...	3	11	112	...	53	165
1955	88	...	10	98	10	...	...	10	98	...	10	108
1956	78	...	...	78	5	...	...	5	83	...	...	83
1957	65	...	...	65	4	...	...	4	69	...	...	69
1958	70	...	...	70	3	...	...	3	73	...	...	73
1959	35	...	...	35	2	...	...	2	37	...	...	37
1960	34	...	...	34	1	...	...	1	35	...	...	35
1961	37	...	...	37	1	...	...	1	38	...	...	38
1962	37	...	...	37	2	...	...	2	39	...	...	39
1963	32	...	...	32	1	...	...	1	33	...	...	33

#### No. 15. Coal Produced per Manshift Worked, 1953 to 1963

The following statistics were compiled by the Joint Coal Board. They exclude mines in course of development prior to commencement of coal production.

Year	Underground Mines								Open Cut Mines			
	Production per Manshift worked at Coal Face				Production per Manshift worked by All Persons Employed				Production per Manshift worked by All Persons Employed			
	Northern District	Southern District	Western District	All Districts	Northern District	Southern District	Western District	All Districts	Northern District	Southern District	Western District	All Districts
Tons												
1953	8.80	12.89	10.39	9.72	2.87	3.48	3.68	3.08	8.68	...	8.24	8.51
1954	9.23	13.34	10.59	10.16	3.01	3.70	3.87	3.25	8.84	...	9.24	8.97
1955	9.59	14.63	11.27	10.76	3.07	4.03	4.08	3.39	9.14	...	9.50	9.18
1956	10.13	14.53	13.23	11.43	3.20	4.16	4.47	3.55	10.36	...	...	10.36
1957	11.89	15.64	15.17	13.19	3.59	4.60	5.05	3.99	11.11	...	...	11.11
1958	13.51	15.74	17.40	14.48	4.06	4.63	5.55	4.35	11.31	...	...	11.31
1959	18.02	18.04	18.47	18.07	4.76	4.89	5.95	4.90	12.47	...	...	12.47
1960	20.12	21.67	20.32	20.64	5.23	5.47	6.20	5.39	22.15	...	...	22.15
1961	25.17	24.41	22.44	24.61	6.07	6.37	6.65	6.23	22.29	...	...	22.29
1962	26.27	26.18	22.98	25.92	6.29	6.86	7.03	6.57	22.42	...	...	22.42
1963	27.52	27.27	25.93	27.26	6.71	7.23	8.11	7.04	18.86	...	...	18.86

### No. 16. Coal Mining: Persons Employed, 1953 to 1963

## **Underground and Open Cut Mines**

Year	Number Employed at End of Year				Average Number Employed during Whole Year			
	Northern District	Southern District	Western District	Total, N.S.W.	Northern District	Southern District	Western District	Total, N.S.W.
1953	13,719	4,095	2,142	19,956	13,670	4,054	2,237	19,961
1954	13,345	4,103	2,099	19,547	13,649	4,181	2,149	19,979
1955	12,692	4,121	1,685	18,498	13,197	4,115	1,948	19,260
1956	11,740	4,363	1,610	17,713	11,985	4,305	1,628	17,918
1957	10,328	4,465	1,223	16,016	10,830	4,411	1,381	16,622
1958	8,835	4,359	1,155	14,349	9,826	4,453	1,184	15,463
1959	7,976	4,218	1,071	13,265	8,037	4,311	1,097	13,445
1960	7,399	4,465	1,042	12,906	7,812	4,414	1,053	13,279
1961	6,233	4,661	985	11,879	6,791	4,696	1,025	12,512
1962	6,043	4,709	920	11,672	6,373	4,680	945	11,998
1963	5,809	4,801	835	11,445	5,880	4,768	886	11,534

**No. 17. Coal Mining: Classification of Persons Employed, 1959 to 1963**

## No. 18. Underground Coal Mines Classified according to Gross Output, 1963

Gross Output	Northern District			Southern District			Western District			New South Wales		
	Number of Mines	Average Number of Persons Employed during Year *	Gross Output	Number of Mines	Average Number of Persons Employed during Year *	Gross Output	Number of Mines	Average Number of Persons Employed during Year *	Gross Output	Number of Mines	Average Number of Persons Employed during Year *	Gross Output
	Tons		Thous. tons		Thous. tons			Thous. tons			Thous. tons	
1 to 10,000	3	15	14	2	16	8	2	11	12	7	42	34
10,001 to 50,000	9	156	192	3	67	93	6	86	174	18	309	459
50,001 to 100,000	4	195	232	2	202	169	6	186	418	12	583	819
100,001 to 200,000	11	1,098	1,589	3	271	425	1	85	157	15	1,454	2,171
200,001 to 400,000	15	2,210	3,907	9	1,492	2,632	3	508	878	27	4,210	7,417
Over 400,000	5	1,956	2,948	7	2,675	4,490	...	...	...	12	4,631	7,438
Total	47	5,630	8,882	26	4,723	7,817	18	876	1,639	91	11,229	18,338

\* Excludes persons employed in non-producing developmental mines and in central screening and washing plants at rail sidings (114 in Northern District, 45 in Southern District, and 10 in Western District).

## No. 19. Production, Consumption, and Stocks of Coal in New South Wales, 1953 to 1963

Year	Total Production	Mine Washery Refuse, etc.	Exports *		Available for Consumption in N.S.W. †	Changes in Stocks Held in N.S.W.		Actual Consumption in N.S.W.	Stocks on Hand at end of Year
			Oversea Countries	Other Australian States		Held at Mines, in Transit, etc.	Held by Consumers		
			Thousand tons						
1953	14,174	125	411	2,487	11,151	(+) 104	(—) 35	11,082	2,549
1954	15,083	229	396	2,567	11,891	(+) 68	(+) 205	11,618	2,822
1955	14,736	244	255	2,579	11,658	(—) 54	(+) 104	11,608	2,872
1956	14,810	237	303	2,240	12,030	(+) 167	(+) 19	11,844	3,058
1957	15,390	355	768	2,095	12,172	(+) 142	(+) 61	11,969	3,261
1958	15,851	614	811	1,996	12,430	(+) 423	(+) 13	11,994	3,697
1959	15,712	810	765	2,113	12,024	(—) 486	(—) 211	12,721	3,000
1960	17,737	1,009	1,554	1,868	13,306	(+) 75	(+) 108	13,123	3,183
1961	19,021	1,204‡	2,590	1,511‡	13,716‡	(+) 55‡	(+) 307	13,354‡	3,545‡
1962	19,030	1,322	2,738	1,360	13,610	(+) 524‡	(—) 241	13,327‡	3,828
1963	18,940	1,381	2,723	1,286	13,550	(—) 73	(+) 83	13,541	3,838

\* Cargo and bunker coal.

† Total production, less washery refuse discarded and coal exported.

‡ Revised.

## No. 20. Consumption of Coal in N.S.W.: Principal Consumers, 1952-53 to 1962-63

Year ended 30th June	Factories								Government Railway Locomotives	Total, Factories and Government Railway Locomotives
	Electricity Generating Stations	Gas Works*	Steel Works and Coke Works*	Cement Works	Brick, Tile, and Pottery Works	Glass and Glass Bottle Works	Other Factories	Total, Factories		
	Thousand tons									
1953	2,952	947	3,346	325	286	91	907	8,854	1,388	10,242
1954	3,187	947	3,508	324	336	96	969	9,367	1,478	10,845
1955	3,406	986	3,568	321	317	67	971	9,636	1,501	11,137
1956	3,579	947	3,354	352	319	80	926	9,557	1,523	11,080
1957	3,787	919	3,778	343	299	134	832	10,092	1,373	11,465
1958	4,030	846	3,942	415	301	124	808	10,466	1,125	11,591
1959	4,135	829	3,986	380	321	134	827	10,612	1,009	11,621
1960	4,328	848	4,353	428	340	130	820	11,247	1,021	12,268
1961	4,369	845	5,055	440	348	135	789	11,981	980	12,961
1962	4,406	796	5,181	400	332	132	773	12,020	798	12,818
1963	4,600	727	5,303	416	333	112	780	12,271	705	12,976

\* Includes coal consumed as raw material.

## No. 21. Exports of Coal from New South Wales, 1953 to 1963

Year	Interstate Exports						Oversea Exports							
	Cargo Coal				Bunker Coal	Total, Interstate	Cargo Coal					Bunker Coal	Total, Oversea	
	Victoria	South Australia	Other States	Total			New Caledonia	Japan	Korea	Argentina	Other			
Thousand tons														
1953	1,264	895	106	2,265	222	2,487	138	55	125	...	35	353	58	411
1954	1,267	948	116	2,331	236	2,567	163	...	169	...	26	358	38	396
1955	1,244	992	134	2,370	209	2,579	168	9	7	...	29	213	42	255
1956	1,116	813	132	2,061	179	2,240	157	27	62	...	32	278	25	303
1957	943	883	97	1,923	172	2,095	182	451	85	...	38	756	12	768
1958	962	773	94	1,829	167	1,996	143	361	163	111	18	796	15	811
1959	1,046	822	73	1,941	172	2,113	145	493	22	84	19	763	2	765
1960	895	751	95	1,741	127	1,868	131	1,373	40	...	10	1,554	...	1,554
1961	817	516	77	1,410	101*	1,511*	72	2,387	37	...	94	2,590	...	2,590
1962	689	490	84	1,263	97	1,360	36	2,521	55	...	126	2,738	...	2,738
1963	652	447	70	1,169	117	1,286	106	2,482	69	...	66	2,723	...	2,723

\* Revised.

## No. 22. Average Value of Coal per ton at Pit-top\*, 1939 to 1963

Year	Northern District	Southern District	Western District	New South Wales	Year	Northern District	Southern District	Western District	New South Wales
1939	12 7	14 5	10 8	12 8	1958	56 1	55 0	47 5	54 10
1953	62 1	61 0	56 9	61 1	1959	52 5	54 4	47 6	52 7
1954	60 3	59 0	57 3	59 7	1960	51 11	55 11	48 1	52 8
1955	59 11	58 10	55 9	59 2	1961	51 5	55 1	46 9	52 3
1956	59 3	58 1	55 1	58 6	1962	51 3	52 9	44 4	51 2
1957	58 3	55 7	50 7	56 9	1963	48 7	52 3	39 3	48 11

\* Based on value of saleable coal at pit-top (or at screens or mine-washeries where these are situated at a distance from the mines). This excludes miners' coal, coal consumed at collieries, and refuse discarded at mine-washeries. Coal won by producer-consumers is also excluded, and only the actual sales from coal stocks held at grass by the Commonwealth Government have been taken to account.

## No. 23. Mining Accidents, 1953 to 1963

Year	Number of Casualties								Rate per 1,000 Persons Employed					
	Persons Killed				Persons Injured *				Killed		Injured *			
	Coal and Shale Mining	Gold Mining	Silver-Lead-Zinc Mining	Other Mining and Quarrying	Total Killed	Coal and Shale Mining	Gold Mining	Silver-Lead-Zinc Mining	Other Mining and Quarrying	Total Injured	Coal and Shale Mining	Other Industries	Coal and Shale Mining	Other Industries
1953	15	...	2	1	18	79	2	229	9	319	0.76	0.29	3.98	23.52
1954	15	...	3	1	19	88	...	256	24	368	0.75	0.41	4.42	28.41
1955	22	...	4	4	30	87	4	277	29	397	1.14	0.78	4.50	30.20
1956	18	...	5	3	26	107	2	300	37	446	0.99	0.75	5.86	31.89
1957	13	...	8	1	22	68	...	273	56	397	0.77	0.83	4.01	30.22
1958	11	...	5	4	20	86	...	310	47	443	0.72	0.91	5.59	36.26
1959	9	...	6	5	20	73	...	315	51	439	0.67	1.22	5.44	39.71
1960	14	...	2	1	17	69	...	216	46	331	1.06	0.33	5.21	28.56
1961	8	...	3	3	14	67	...	266	51	384	0.64	0.65	5.34	34.14
1962	17	...	1	3	21	55	...	229	53	337	1.42	0.44	4.58	30.84
1963	5	...	1	4	10	59	...	228	50	337	0.43	0.56	5.12	31.03

\* For coal and shale mining, the figures relate to injuries caused by explosions or electricity and serious injuries from all other causes. For other industries, the figures relate to injuries causing incapacity for over 14 days.

## No. 24. State Revenue from Mining, 1953-54 to 1963-64

Year ended 30th June	Royalty on Minerals				Royalty Repayments †	Net Royalty	Mining Leases	Other Receipts *	Net Receipts
	Coal	Silver, Lead and Zinc	Gold and Other Minerals	Total Royalty					
1954	£390,172	£462,753	£34,224	£887,149	£46,650	£840,499	£19,755	£5,144	£865,398
1955	435,612	1,137,095	45,619	1,618,326	28,524	1,589,802	19,477	7,883	1,617,162
1956	433,340	1,907,403	52,813	2,393,556	9,474	2,384,082	19,758	17,749	2,421,589
1957	446,855	2,158,312	100,907	2,706,074	25,115	2,680,959	24,617	32,514	2,738,090
1958	456,261	1,417,876	167,960	2,042,097	34,277	2,007,820	18,587	17,457	2,043,864
1959	459,157	176,073	113,062	748,292	38,135	710,157	20,576	12,412	743,145
1960	449,479	335,171	105,826	890,476	68,935	821,541	19,237	24,868	865,646
1961	533,511	647,470	95,599	1,276,580	19,628	1,256,952	22,319	41,260	1,320,531
1962	591,635	805,714	107,091	1,504,440	53,573	1,450,867	22,830	39,402	1,513,099
1963	611,678	135,654	131,903	879,235	62,415	816,820	18,429	36,657	871,906
1964	611,289	1,838,436	153,149	2,602,874	57,563	2,545,311	27,130	46,832	2,619,273

\* Includes fees for Miner's Rights and Business Licences.

† Royalty in regard to mining on private lands held without reservation of minerals to the Crown is collected by the Mines Department on behalf of the owner.